

WHAT IS CLAIMED IS:

1. An oil seal provided on an outer circumference of a rotary shaft for sealing a first liquid and a second liquid, comprising:
 - a ring fixed on the outer circumference of the rotary shaft and provided with a
 - 5 flange projecting outward substantially in the radial direction of the rotary shaft;
 - a first seal abutted on the flange from a direction substantially along the axial direction of the rotary shaft for sealing a side on which the first liquid is provided; and
 - a second seal made of fluorocarbon resin for sealing a side on which the second liquid is provided from a direction substantially along the radial direction of the rotary
 - 10 shaft.
2. The oil seal according to claim 1, wherein the second seal is made of plate-shaped Polytetrafluoroethylene.
3. The oil seal according to claim 1, wherein at least one communication hole communicating between the inside and the outside of a space surrounded by the first seal,
- 15 the second seal and the ring is formed on the first seal and/or the second seal.
4. The oil seal according to claim 2, wherein at least one communication hole communicating between the inside and the outside of a space surrounded by the first seal, the second seal and the ring is formed on the first seal and/or the second seal.
5. The oil seal according to claim 3, wherein the communication hole is formed on a
- 20 lower side in the gravitation direction relative to the center of the rotary shaft.
6. The oil seal according to claim 1, wherein the oil seal is provided on the outer circumference of a crank shaft as the rotary shaft, and capable of sealing the first liquid on a side of an engine to which the crank shaft is connected, and the second liquid on a side of a flywheel attached to the crank shaft.
- 25 7. The oil seal according to claim 2, wherein the oil seal is provided on the outer circumference of a crank shaft as the rotary shaft, and capable of sealing the first liquid on a side of an engine to which the crank shaft is connected, and the second liquid on a side of a flywheel attached to the crank shaft.
8. The oil seal according to claim 3, wherein the oil seal is provided on the outer

circumference of a crank shaft as the rotary shaft, and capable of sealing the first liquid on a side of an engine to which the crank shaft is connected, and the second liquid on a side of a flywheel attached to the crank shaft.

9. The oil seal according to claim 4, wherein the oil seal is provided on the outer
5 circumference of a crank shaft as the rotary shaft, and capable of sealing the first liquid on a side of an engine to which the crank shaft is connected, and the second liquid on a side of a flywheel attached to the crank shaft.